

AMENDMENTS TO THE CLAIMS

1. (CURRENTLY AMENDED) A networked health-monitoring system configured to collect and process patient health-related data, comprising:

at least one ~~handheld~~ microprocessor device including a display, and a memory;

at least one central server connected to receive health-related data communicated to the microprocessor device; and

at least one health care professional computer, remotely located from and in signal communication with the central server to receive ~~patient~~ health-related information based on the patient health-related data received from the ~~handheld~~ microprocessor device, wherein the system is configured to ~~convert the handheld microprocessor device into a healthcare monitoring device that functions to~~ (a) monitor at least one ~~patient~~ health condition; and (b) enable one or more programs to be provided from the central server to the microprocessor device for the monitoring, the programs being executed by the microprocessor device ~~communicate data related to the monitored condition to the central server.~~

2. (ORIGINAL) The system of claim 1, wherein the memory includes stored program instructions for generating health-monitoring related information on the display.

3. (CURRENTLY AMENDED) The system of claim 1 2, wherein the ~~handheld~~ microprocessor device is capable of displaying pictorial health-monitoring related information.

4. (CURRENTLY AMENDED) The system of claim 1 3, wherein the ~~handheld~~ microprocessor device is capable of displaying animated health-monitoring related information.

5. (ORIGINAL) The system of claim 2, wherein the memory is a program cartridge.

6. (CURRENTLY AMENDED) The system of claim 1 4, wherein the ~~handheld~~ microprocessor device includes buttons, keys or switches.

7. (CURRENTLY AMENDED) The system of claim 1 2, further comprising at least one ~~other~~ health-monitoring device arranged to communicate the health-related data to the ~~health-care professional~~ central computer.

8. (CURRENTLY AMENDED) The system of claim 7, further comprising a data management unit configured to (i) facilitate collection of the patient health-related data from the health

monitoring device and (ii) transfer the programs from the central
5 server to the microprocessor device.

9. (CURRENTLY AMENDED) The system of claim 8, wherein the data management unit facilitates collection of the health-related data by receiving data related to the monitored condition from at least one of the health-monitoring devices.

10. (CURRENTLY AMENDED) The system of claim 7, wherein at least one of the health-monitoring devices includes one or more of: ~~the set consisting of~~

- a blood glucose monitor;
- 5 a peak flow meter;
- a blood pressure monitor;
- a pulse monitor; and
- a body temperature monitor.

11. (CURRENTLY AMENDED) The system of claim 8 7, ~~wherein the remote sites further include~~ further comprising at least one personal computer connected to the data management unit.

12. (ORIGINAL) The system of claim 2, wherein the system generates at least one report based on the health-related data.

13. (ORIGINAL) The system of claim 12, wherein at least one report is standardized.

14. (ORIGINAL) The system of claim 12, wherein the system is configured to allow a health care professional to select which of a plurality of standardized reports is produced.

15. (ORIGINAL) The system of claim 12, wherein the report uses graphs and/or icons.

16. (ORIGINAL) The system of claim 12, wherein the report can be generated periodically.

17. (CURRENTLY AMENDED) The system of claim 12, wherein the central server can generate the report.

18. (CURRENTLY AMENDED) The system of claim 12, wherein the system is configured to cause the presentation of at least one report on the display ~~at a remote patient site.~~

19. (ORIGINAL) The system of claim 12, wherein the system can display statistical and/or trend information.

20. (CURRENTLY AMENDED) The system of claim 19, wherein the system can display the statistical or the trend information to the patient.

21. (ORIGINAL) The system of claim 12, wherein the report includes information data for a period of time.

22. (CURRENTLY AMENDED) The system of claim 1 ~~2~~, wherein the system is configured to transmit at least one message to the microprocessor device for ~~display on at least one~~ viewing on the display.

23. (ORIGINAL) The system of claim 22, wherein the message includes step-by-step instructions.

24. (ORIGINAL) The system of claim 22, wherein the message includes results of a test.

25. (ORIGINAL) The system of claim 22, wherein the message includes diagnostic information indicating whether a test has proceeded in a normal fashion.

26. (ORIGINAL) The system of claim 22, wherein the message is a multi-line message.

27. (ORIGINAL) The system of claim 22, wherein the message is a health care professional selected message.

28. (ORIGINAL) The system of claim 22, wherein the health care professional generates the selected message.

29. (ORIGINAL) The system of claim 22, wherein the message is a educational or motivational.

30. (CURRENTLY AMENDED) The system of claim 27, wherein the system is configured to transmit the message ~~can be~~ to a specific patient.

31. (ORIGINAL) The system of claim 27, wherein the system is configured to transmit the message automatically to the patient.

32. (ORIGINAL) The system of claim 27, wherein the system enables the patient to choose when to receive the message.

33. (CURRENTLY AMENDED) The system of claim 27, wherein the message can be stored in the central server before being transmitted to the patient.

34. (ORIGINAL) The system of claim 2, wherein the system is configured to allow the patient to control the display of information using at least one menu.

35. (CURRENTLY AMENDED) The system of claim 34, wherein the menu allows the patient to select ~~any one of the operational modes from the set consisting~~ each of:

a display mode for displaying relevant information;

5 an input mode for providing information; and

a communications mode for establishing a link with the central server.

36. (CURRENTLY AMENDED) The system of claim 34 ~~31~~, wherein the menu allows a patient to select a monitoring mode in which at least one health-monitoring device is used to monitor the at least one ~~patient~~ health condition ~~at at least one remote~~ ~~patient site~~, and to communicate data related to the monitored
5 condition to the central server.

37. (ORIGINAL) The system of claim 34, wherein the menu allows the patient to display messages or instructions from a health care professional.

38. (ORIGINAL) The system of claim 2, wherein the system is configured to enable the patient to respond to information on the display by using a cursor or other indicator positioned at a selected item.

39. (CURRENTLY AMENDED) The system of claim 1 2, wherein the system is configured to enable the programs to be provided from the central server to the microprocessor device in response to an input received at the microprocessor device, ~~for storage in a memory and execution at a remote patient site.~~

40. (CURRENTLY AMENDED) The system of claim 1 2, wherein the patient can indicate user experienced symptoms to the microprocessor device system.

41. (ORIGINAL) The system of claim 2, wherein the system can capture quantitative measurements.

42. (ORIGINAL) The system of claim 41, wherein the system can capture medication data.

43. (ORIGINAL) The system of claim 1, wherein the collected patient health-related data includes time data.

44. (CURRENTLY AMENDED) The system of claim 12 ~~+~~, wherein ~~the~~ a healthcare professional receives the report after transmitting an authorization code to the central server that identifies an associated healthcare professional as an authorized user.

45. (CURRENTLY AMENDED) A method of ~~od~~ collecting and processing patient health-related data, comprising:

using at least one ~~handheld~~ microprocessor device, including a display and a memory, ~~as a healthcare monitoring device~~ to facilitate the collection of ~~patient~~ health-related data resulting from ~~the~~ monitoring of at least one ~~patient~~ health condition;

connecting at least one central server to receive the collected health-related data;

communicating the collected health-related data from the ~~handheld~~ microprocessor device to the central server;

putting at least one remotely-located, health-care-professional computer in signal communication with the central server; ~~and~~

15 receiving, at the health care professional computer,
patient health-related information based on the collected data
communicated to the central server; and
 transferring one or more programs from the central server
 to the microprocessor device for the monitoring, the programs being
20 executable by the microprocessor device.

46. (ORIGINAL) The method of claim 45, wherein the
memory includes stored program instructions for generating health-
monitoring related information on the display.

47. (CURRENTLY AMENDED) The method of claim 45 ~~46~~,
further comprising displaying pictorial health-monitoring related
information on the ~~handheld~~ microprocessor device.

48. (CURRENTLY AMENDED) The method of claim 45 ~~47~~,
further comprising displaying animated health-monitoring related
information on the ~~handheld~~ microprocessor device.

49. (ORIGINAL) The method of claim 46, wherein the
memory is a program cartridge.

50. (CURRENTLY AMENDED) The method of claim 45 ~~48~~, wherein the ~~handheld~~ microprocessor device includes buttons, keys or switches.

51. (CURRENTLY AMENDED) The method of claim 45 ~~46~~, further comprising arranging at least one ~~other~~ health-monitoring device to communicate ~~arranging~~ the health-related data to the ~~health care professional~~ central computer.

52. (CURRENTLY AMENDED) The method of claim 51, further comprising using a data management unit to (i) facilitate collection of the patient health-related data from the health monitoring device and (ii) transfer the programs from the central
5 server to the microprocessor device.

53. (CURRENTLY AMENDED) The method of claim 52, wherein the data management unit facilitates collection of the health-related data by receiving data related to the monitored condition from at least one of the health-monitoring devices.

54. (CURRENTLY AMENDED) The method of claim 53, further comprising connecting at least one personal computer to the data management unit ~~at the remote sites.~~

55. (CURRENTLY AMENDED) The method of claim 51, wherein at least one of the health-monitoring devices is one or more of: ~~the set consisting of~~

- a blood glucose monitor;
- a peak flow meter;
- a blood pressure monitor;
- a pulse monitor; and
- a body temperature monitor.

56. (ORIGINAL) The method of claim 46, further comprising producing reports based on the health-related data.

57. (ORIGINAL) The method of claim 56, wherein the reports are standardized.

58. (ORIGINAL) The method of claim 57, wherein a health care professional selects which of a plurality of standardized reports is produced.

59. (ORIGINAL) The method of claim 56, wherein the reports use graphs and/or icons.

60. (ORIGINAL) The method of claim 56, wherein the reports can be generated periodically.

61. (CURRENTLY AMENDED) The method of claim 56, wherein the central server can generate the report.

62. (CURRENTLY AMENDED) The method of claim 56, further comprising ~~displaying~~ presenting at least one report on ~~a~~ the display ~~at a remote patient site~~.

63. (ORIGINAL) The method of claim 56, further comprising displaying statistical and/or trend information.

64. (CURRENTLY AMENDED) The method of claim 63, wherein the statistical or the trend information is displayed to the patient.

65. (ORIGINAL) The method of claim 56, wherein the report includes information data for a period of time.

66. (CURRENTLY AMENDED) The method of claim ~~45~~ 46, further comprising transmitting at least one message for ~~display on~~ ~~at least one~~ viewing on the display.

67. (ORIGINAL) The method of claim 66, wherein the message includes step-by-step instructions.

68. (ORIGINAL) The method of claim 66, wherein the message includes results of a test.

69. (ORIGINAL) The method of claim 66, wherein the message includes diagnostic information indicating whether a test has proceeded in a normal fashion.

70. (ORIGINAL) The method of claim 66, wherein the message is a multi-line message.

71. (ORIGINAL) The method of claim 66, wherein a health care professional selects the message.

72. (CURRENTLY AMENDED) The method of claim 66 wherein ~~the~~ a health care professional generates the selected message.

73. (ORIGINAL) The method of claim 66, wherein the message is educational or motivational.

74. (ORIGINAL) The method of claim 71, further comprising transmitting the message to a specific patient.

75. (ORIGINAL) The method of claim 71, further comprising transmitting the message automatically to the patient.

76. (CURRENTLY AMENDED) The method of claim 71, further comprising transmitting the message to the patient when the patient chooses.

77. (CURRENTLY AMENDED) The method of claim 76, further comprising storing the message in the central server before transmitting to the patient.

78. (ORIGINAL) The method of claim 46, wherein the patient controls the display of information using at least one menu.

79. (CURRENTLY AMENDED) The method of claim 78 ~~48~~, wherein the menu allows a patient to select ~~any one of the operational modes from the set consisting~~ each of:

a display mode for displaying relevant information;

an input mode for providing information; and

a communications mode for establishing a link with the central server.

80. (CURRENTLY AMENDED) The method of claim 78, wherein using the menu the patient selects a monitoring mode in which at least one health-monitoring device is used to monitor the at least one ~~patient health condition at at least one remote patient site,~~

5 and to communicate data related to the monitored condition to the central server.

81. (CURRENTLY AMENDED) The method of claim 78, wherein the menu allows ~~a~~ the patient to display messages or instructions from a health care professional.

82. (ORIGINAL) The method of claim 46, wherein the patient responds to information on the display by using a cursor or other indicator positioned at a selected item.

83. (CURRENTLY AMENDED) The method of claim 45 ~~46~~, further comprising: ~~providing~~ providing the programs from the central server to ~~a remote patient site~~ the microprocessor device in response to an input received at the microprocessor device ~~and~~
5 ~~storing in a memory and executing the programs at a remote~~
~~site.~~

84. (CURRENTLY AMENDED) The method of claim 45 ~~46~~, wherein the patient indicates user experienced symptoms to the ~~handheld~~ microprocessor device.

85. (ORIGINAL) The method of claim 46, further comprising capturing quantitative measurements.

86. (ORIGINAL) The method of claim 85, further comprising capturing medication data.

87. (ORIGINAL) The method of claim 45, wherein the collected patient health-related data includes time data.

88. (ORIGINAL) The method of claim 56, wherein the healthcare professional receives the report after transmitting an authorization code to the server that identifies an associates healthcare professional as an authorized user.

89. (CURRENTLY AMENDED) A networked health-monitoring system configured to collect and process patient health-related data, comprising:

at least one ~~handheld~~ microprocessor means, including a displayed and a memory, for monitoring at least one ~~patient~~ health condition; ~~and~~

~~communicating data related to the monitored condition to a central server means;~~ at least one central server means for receiving health-related data communicated to the microprocessor means device; and

at least one health care professional computer, remotely located from and in signal communication with the central server means to receive ~~patient~~ health-related information based on the

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patient health-related data received from the ~~handheld~~
microprocessor means, device wherein the system is configured to (a)
monitor at least one health condition and (b) enable one or more
programs to be provided from the central server means to the
microprocessor means for the monitoring, the programs being
executable by the microprocessor means.

90. (NEW) The system of claim 1, wherein the system is configured to enable the programs to be provided from the central server to the microprocessor device automatically on a repeated basis.

91. (NEW) The system of claim 1, wherein the system is configured to enable the programs to be provided from the central server to the microprocessor device in response to an input received at the health care professional computer.

92. (NEW) The method of claim 45, further comprising providing the programs from the central server to the microprocessor device automatically on a repeated basis.

93. (NEW) The method of claim 45, further comprising providing the programs from the central server to the

microprocessor device in response to an input received at the health care professional computer.